

Z/506/60/000/000/002/004
I037/I237

Materials for gas...

Heat shock resistance was checked in SVUMT instrument in which wedge shaped samples were repeatedly heated (up to 800°C in 3 min.) and cooled (at a rate of 200°C/sec). The cracks formed in this process were then plotted as a function of the number of cycles (repetitions). The forged AKNC is superior in this respect to the cast alloy. Relaxation measurements show that Poldi AKNC does not tend to plastic deformation. Electrical and thermal conductivity as a function of temperature were measured (the first is nearly constant, the second increases linearly with the temperature). The model of elasticity is considerably higher in the forged than in the cast material. Some methods of hardening of the alloy are given and photographs showing the surface structure are presented. There are 70 figures, 16 tables and 31 references. The English references include: Betteridge W., Franklin, A.W. J. of Inst. Metals, 85, 473 (1956-7). Taylor, A. J. of Metals 8, 1356 (1956). McLean, D. J. Inst. Metals 85, 481 (1956-57).

Card 3/3

S/137/62/000/010/013/028
A052/A101

AUTHORS: Lšbl, Karel, Potúcek, Bedřich, Vystya, Miloš, Hýbok, Karel

TITLE: Austenitic heat-resisting stainless steel for castings

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 10, 1962, 77, abstract
101499 P (Czech. pat., no. 99833, June 15, 1961)

TEXT: The patent presents an austenitic steel containing (in %): 0.20 - 0.75 C, ≤ 3 Si, 6 - 16 Mn, 16 - 32 Cr, ≤ 3 Ni, 0.2 - 6 Mo, 0.15 - 0.75 N and also ≤ 0.05 B and ≤ 20 Co. The presence of B and Co contributes to heat resistance. These steels are characterized by a high heat and corrosion resistance and can be used for work at up to 1,000°C and in an atmosphere containing C and S.

V. Srednogorska ✓

[Abstracter's note: Complete translation]

Card 1/1

Z/034/61/000/002/604/006
E073/E535

AUTHORS: Löbl, K., Engineer, Potůček, B., Engineer, Vystyd, M.,
Engineer and Hýbek, K., Engineer

TITLE: Austenitic Heat Resistant Stainless Steel for Castings.
Patent Application Class 18d, 1/30, PV 1915-59, dated
April 2, 1959

PERIODICAL: Hutnické listy, 1961, No.2, p.138

TEXT: The steel contains 0.20 to 0.75% C, maximum 3% Si,
6 to 16% Mn, 16 to 32% Cr, maximum 3% Ni, 0.2 to 6% Mo and 0.15 to
0.75% N. Further alloying elements are B, maximum 0.05%, and
Co up to 20%. Castings from this steel are heat resistant and up
to 1000°C they resist carburizing and sulphur-containing
atmospheres. The steel is suitable for applications in which
high temperature strength and resistance to corrosive atmospheres
are required simultaneously. ✓

Card 1/1

~~VYSUKA, Karel~~ [Vysuka, Karel] (Chekhoulovatskaya Sotsialisticheskaya
Respublika)

Present status and future development of the automobile industry
in Czechoslovakia. Avt.prom. no.11:39-44 N '60. (MIRA 13:11)
(Czechoslovakia--Automobile industry)

VYSUCEK, K.

Problem of coordinating graphs of train traffic with the technology of work
in marshaling yards. p. 306

ZELEZNICNI DOPRAVA A TECHNIKA. (Ministerstvo dopravy)
Praha, Estonia. Vol. 7, No. 10, 1959.

Monthly list of East European Accessions (EEAI), Vol. 9, No. 1, Jan. 1960

Uncl.

VYTANOVYCH, Illia.

Outline of Ukrainian social and economical history. L'viv. Z drukarni Naukovoho t-va im. Shevchenka. 1934. 36p. (Biblioteka Revyziinoho soiuza ukrains'kykh kooperatyv u L'vovi, ch. 39)

1. Ukraine - Hist. 2. Ukraine - Econ. condit.

GAZAREK, F.; KRIKAL, Z.; VYTASEK, R.

Observations on the differential diagnosis between acute necrosis of the pancreas and thrombosis of the mesenteric vessels in pregnancy and labor. Cesk.gyn.25[39] no.8:626-638 Q'60.

1. Gyn.por.odd. OUNZ, Sumperk, prednosta dr. Frantisek Gazarek.
(PANCREAS diseases)
(MESENTERIC VESSELS dis)
(PREGNANCY compl)
(THROMBOSIS in pregn)

V'YUKOV, I. Ye., Cand Tech Sci -- (diss) "Investigation of several systems of automatic control of the electric drive of paper-making machines." Leningrad, 1960. 18 pp; (Ministry of Higher and Secondary Specialist Education RSFSR, Leningrad Electrical Engineering Inst im V. I. Ul'yanov (Lenin)); 200 copies; price not given; (KL, 51-60, 118)

Vytasil, Vladimir

4
Apparatus for the isothermal continuous measurement of weight changes in enamel research. Vladimir Vytasil, Sofia Vytasilova, and Vladimir Hec. *Surgery* 2, 225-27 (1953). — The construction of a recording balance which can be thermostatically controlled at 500-900° is described. H. Morawetz.

JG

VYTASIL, V.; JANECEK, J.; SVACINA, J.; ZECHEL, B.

Enamels colored with cadmium colors. Silikaty 6 no.3:245-257
'62.

1. Sfinx Ceske Budejovice, n.p.

VYTASIL, V.; SATAVA, J.

The application of differential thermal analysis in enamel research. p. 135.
(SILIKATY, Vol. 1, No. 2, 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 12, Dec 1957. Uncl.

VYTASIL, V.; JANECEK, J.

Modified method for determining the acid resistance of enameled
boiling vessels. Silikaty 7 no.2:155-158 '63.

1. Sfinx Ceske Budejovice, n.p., Vyzkumne a vyvojove stredisko pro
povrchovou upravu kovu.

VYTASIL, Vladimir

Systems of titanium enamels. Sbor chem tech no.3, part 1:525-531
159.

1. Katedra technologie silikatu, Vysoka skola chemicko-technologicka,
Praha.

VITASIL, V.; VYTAŠILOVA, S.; HEJL, V.

"Apparatus for the continuous control of weight changes under constant temperature as applied in the enamel research. p. 286."

SILIKATY. Praha, Czechoslovakia. Vol. 2, no. 3, 1958.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 6, Jun 59, Unclas.

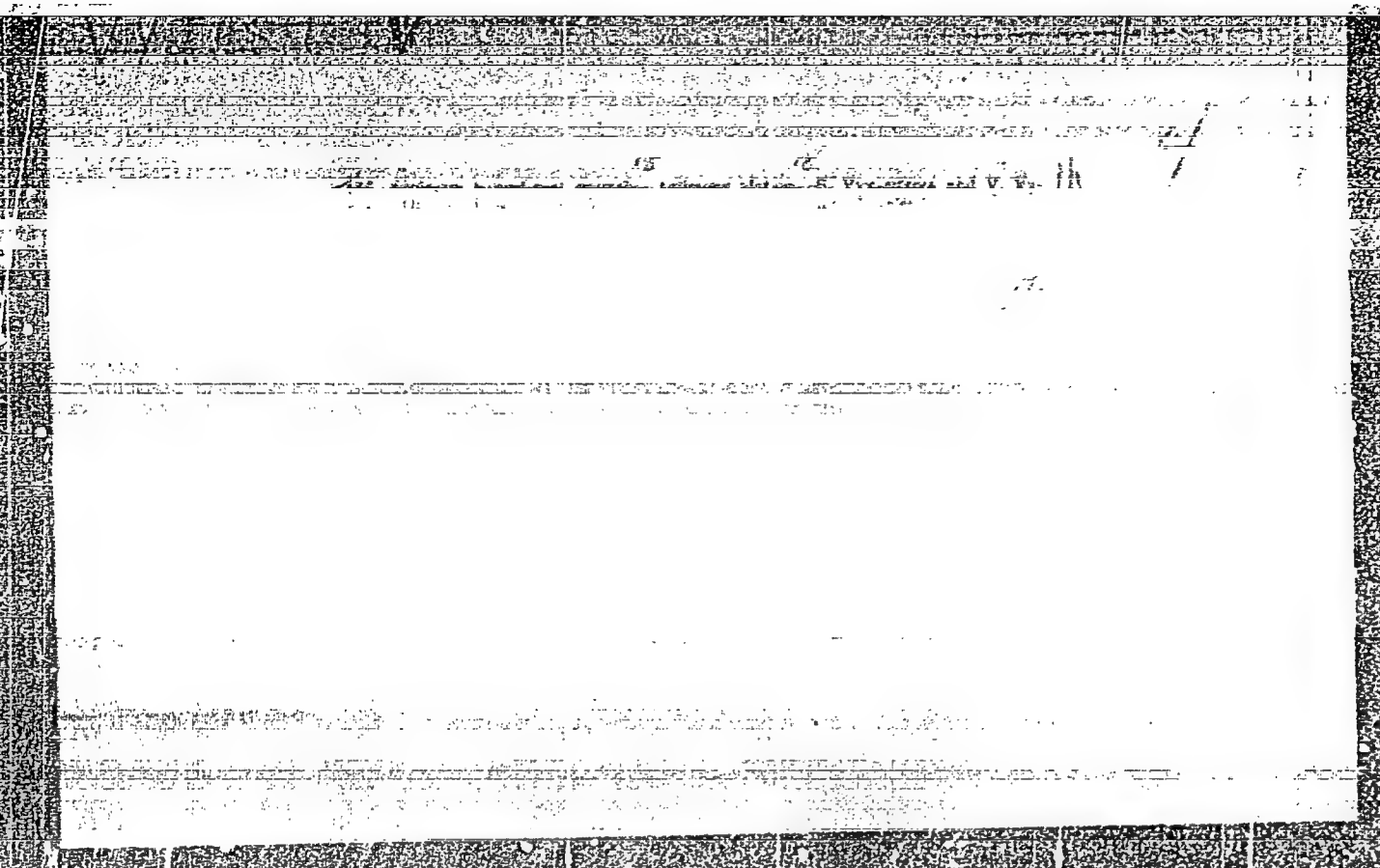
VYTASIL, V.; VYTASILOVA, S.

"Antimonite ground coat enamels. IV. Antimony coated sheets and introduction of

Sb_2O_3 as milling admixture. p. 154."

SILIKATY. Praha, Czechoslovakia. Vol. 3, no. 2, 1959.

Monthly list of East European Accessions (EEAI), IC, Vol. 8, No. 6, Jun 59, Unclass



VYTASILOVA, S.; VYTASIL, V.

"Antimonite ground coat enamels. IV. Antimony coated sheets and introduction of Sb_2O_3 as milling admixture. p. 154."

SILIKATY. Praha, Czechoslovakia. Vol. 3, no. 2, 1959.

Monthly list of East European Accessions (FEAI), LC, Vol. 8, No. 6, Jun 59, Unclas.

VYTASILOVA, S.; HEJL, V.; VYTASIL, V.

"Apparatus for the continuous control of weight changes under constant temperature as applied in the enamel research. p. 285."

SILIKATY. Praha, Czechoslovakia. Vol. 2, no. 3, 1958.

Monthly list of East European Accessions (EFAI), LC, Vol. 8, No. 6, Jun 59, Unclas.

VYTIŠILOVA, S.; VYTASIL, V.

Antimonite ground coat III. Composition of groups.

p. 313 (Silikaty) Vol. 1, no. 3, 1957, Praha, Czechoslovakia

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS, (EEAI) LC, VOL. 7, NO. 1, JAN. 1958

VITASILOVA, S.; VYTASIL, V.

ZIRCONIA ENAMELS.

P. 322 (Silikaty) Vol. 1, no. 3, 1957, Praha, Czechoslovakia

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC, VOL. 7, NO. 1, JAN. 1958

VYASILOVA, Sofia

4

Apparatus for the isothermal continuous measurement
weight changes in gases. Vladimir Vyt
Sofia Vyaslova and Vladimir Ivan, *Soviet J. Phys.*
1968, 14, 1008. -- The construction of a recording balance which can
be thermostatically controlled at 500-1000° is described.
H. Morawitz

39

VYTASILOVA, S.; VYTASIL, V..

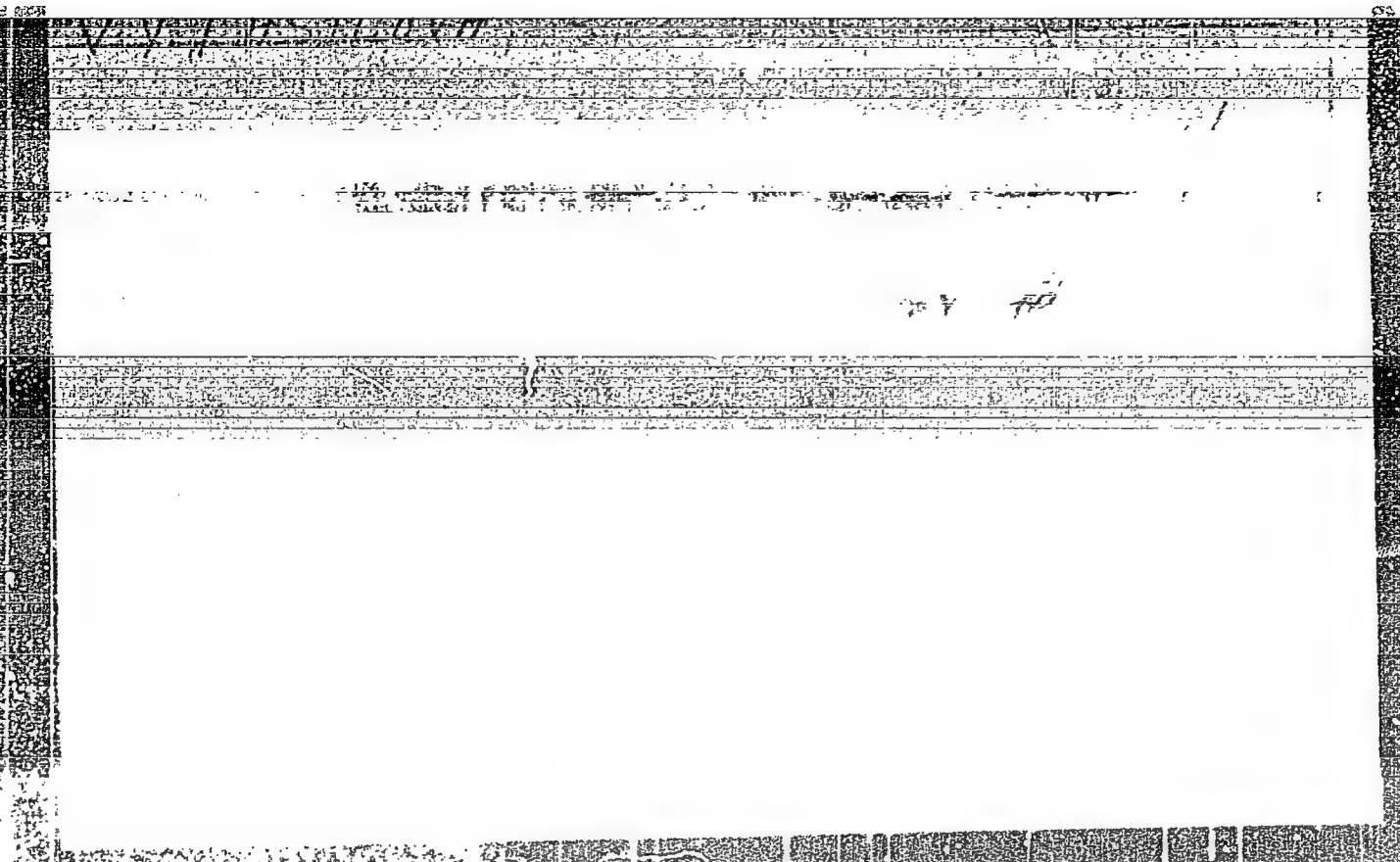
Antimonite ground coat enamels. II. Antimony plating.

P. 56, (Silikaty) Vol. 1, no.1, 1957, Praha, Czechoslovakia

50: Monthly Index of East European Accessions (EFAI) Vol. 6; No. 11 November 1957

"APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001961420013-4



APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001961420013-4"

VYTOHIKOV, A.

Root Crops

Harvesting and storing root crops. kolkh. proizv. 12, no. 8, 1952.

9. Monthly List of Russian Accessions, Library of Congress, November 1952 *APPB*, Uncl.

VYTCHIKOV, A., ZHURUKHIN, F.

Sunflowers

Small machine for threshing cut seeds of silage varieties of sunflower. Kolkh. proizv.
12 no. 8, 1952.

Monthly List of Russian Accessions, Library of Congress. November, 1952. Unclassified.

VYTCHIKOV, A., ZHURUKHIN, F.

Threshing Machines

Small machine for threshing out seeds of silage varieties of sunflower. Kolkh. proizv. 12, no. 2, 1952.

Monthly List of Russian Accessions, Library of Congress, November 1952. Unclassified.

1. VYTCHIKOV, A.
2. USSR (600)
4. Root Crops
7. Ways to increase the productivity of fodder root crops. Kolkh, proiz, 12, no. 12
1952

9. Monthly List of Russian Accessions; Library of Congress, March, 1953. Unclassified.

VYTCHEKOV, A. I.

How to obtain high crop yields. Moskva, 1950. 22p.

1. Root-crops.

Vytchikov, A. I.

7752

Vidovoye rayonirovaniye silesnykh, kornovykh, bshchevykh kul'tur i korneklubneolodov. utv. 21/x 1954 G.M., izd-vo m-va sel'skogo khozyaystva ssr, 1955, 32S. 22sm. (plav.upr. 3.-kh. propagandy i nauki m-va sel'skogo khozyaystva ssr). 20.000 ekz. Besol. - v kontse teksta avt. razrabotki: P. Ye. Karinich, A. I. Vytchikov, M. P. Yelaukov, A. L. Mikhel'chuk, I. A. Polezhayev, M. F. Sarre, M. N. Smirnov, B. F. Solov'yev. - (55-3885)
633.2/41631.52

SO.

Knizhnaya Letopis', Vol. 7, 1955

VYCHIKOV, A. I.

Root crops

Late fall sowing of fodder beets and carrots. Korm. baza 2 No. 10, 1951.

9. Monthly List of Russian Accessions, Library of Congress, May 1952 ~~1958~~, Uncl.

MINKH, Aleksey Alekseyevich, prof.; BONDAREV, G.I., red.; VYTCHIKOVA,
M.A., red.; ZUYEVA, N.K., tekhn. red.

[Methods for hygiene research] Metody gigenicheskikh issledova-
niy. 2., ispr. i dop. izd. Moskva, Medgiz, 1961. 482 p.
(MIRA 16:1)

(PUBLIC HEALTH RESEARCH)

VYTCHIKOVA, M. A.

"Study of the Vitamin B₁ Requirements of an Organism During Sports Training."
Cand Med Sci, Moscow Medical Stomatological Inst, Moscow, 1953. (RZgBiol, No 3,
Oct 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher
Educational Institutions (10)

SO: Sum. No. 481, 5 May 55

VYTCHIKOVA, M.A., kandidat meditsinskikh nauk

Atmospheric ions and the body. Zdorov'e 2 no.10:4-5 0 '56.
(MLRA 9:11)

(ATMOSPHERIC ELECTRICITY)

(WEATHER--MENTAL AND PHYSIOLOGICAL EFFECTS)

VYTCHIKOVA, M.A. (Moskva)

Results of enriching diets for athletes with vitamin B1 [with summary in English]. Vopr.pit. 17 no.1:27-32 Ja-F '58. (HIRA 11:4)

1. Iz kafedry gigiyeny (zav. - prof. A.A.Minkh) Tsentral'nogo instituta fizicheskoy kul'tury i laboratorii izucheniya vitaminov (zav. - prof. V.V.Yefremov) Instituta pitaniya AMN SSSR, Moskva.

(ATHLETICS,

dietary enrichment with vitamin B1 (Rus))

(VITAMIN B1,

enrichment of diets for athletes (Rus))

VYTCHIKOVA, M.A.; MINKH, A.A.

Use of chocolate with glucose in athletics. Vop. pit. 18 no.3:
69-73 My-Je '59. (MIRA 12:7)

1. Iz kafedry gigiyemy (zav. - prof. A.A. Minkh) Tsentral'nogo instituta fizicheskoy kul'tury, Moskva.

(COCOA,

chocolate with glucose as energy source in athletes (his))

(GLUCOSE,

same)

(ATHLETICS,

same)

VITCHIKOVA, M.A., kand.med.nauk

Ionisation of air in gymnasiums. Gig. i san. 24 no.1:82-85
Ja '59. (MIRA 12:2)

1. Iz kafedry gigiyeny Tsentral'nogo instituta fizicheskoy kul'tury.

(AIR,
ionization in athletic halls (Rus))
(ATHLETICS,
air ionization in athletic halls (Rus))

L 29319-66

ACC NRAP6006160

(A)

SOURCE CODE: CZ/0078/65/000/010/0019/0019

AUTHOR: Hron, Jaroslav (Prague); Kliment, Jiri (Prague); Kryzanek, Vledimir (Engineer, Prague); Mirtes, Bohumil (Engineer, Prague); Vytiska, Alois (Engineer, Prague)

ORG: none

TITLE: [An electrical indicator circuit] CZ Pat. No. PV 5792-63

SOURCE: Vynalez, no. 10, 1965, 19

TOPIC TAGS: ~~signal detection, signal interference~~, computer, amplifier stage, ~~ELECTRONIC SIGNAL, ELECTRONIC CIRCUIT, ELECTRIC MEASURING INSTRUMENT, CONTROL CIRCUIT~~

ABSTRACT: An electrical indicator circuit is described which serves on the one hand for the successive individual indication that the level of an electrical signal has been exceeded at a number of controlled electrical outputs, and on the other as an indicator that the level has been exceeded of the electrical signal of all the controlled electrical outputs to one point in parallel, for example, as an overload indicator for computing amplifiers, in particular transistorized computing amplifiers. In this device the electrical outputs of the individual controlled points are connected on the one hand directly to the contacts of one level of a multiple position switch, and through

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L 29319-66

ACC NR: AP6006160

its branch to the input of the indicating device with the overload indicator, and on the other through resistors to a common conductor which is connected through a branch to the second level of the switch.

SUB CODE: 09/ SUBM DATE: 22Oct63

Card 2/2 BK

L 06095-67

ACC NR: AP6017894

(A)

SOURCE CODE: CZ/0078/65/000/012/0009/0009

INVENTOR: Hrabal, Jaroslav (Engineer; Prague); Vytiska, Alois (Engineer; Prague)

ORG: none

TITLE: [Circuit for the automatic protection of the power supply] CZ Pat. No. PV 5888-64, Class 21

SOURCE: Vynalezky, no. 12, 1965, 9

TOPIC TAGS: automatic regulation, power supply, transistor, transistorized circuit

ABSTRACT: A circuit for the automatic protection of the power supply is described which is constituted by a circuit between the base and the emitter of one or more limiting transistors to which is fed voltage from the circuit dependent on the output current of the power supply, and voltage dependent on the output voltage of the power supply. The distinguishing feature of the device is that to the circuit between the base and the emitter of one or more limiting transistors is connected the output of a d.c. voltage auxiliary transformer whose polarity acts in the same direction as the polarity of the voltage from the circuit dependent on the output current of the power supply, and in the opposite direction of the polarity of the voltage from the circuit dependent on the output voltage of the power supply.

SUB CODE: 09/ SUBM DATE: 23Oct64

Card 1/1 CC

(A) L 11898-66 EWT(1)/EWT(m)/EWP(w)/EPF(n)-2/r/EWP(t)/EWP(b)/ETC(m)
 ACC NR: AP6001920 IJP(c) JD/JG UR/0294/65/003/006/0936/0937

AUTHOR: V'yugov, P.N.; Gumenyuk, V.S.

ORG: Physicotechnical Institute AN UkrSSR (Fiziko-tekhnicheskii
 Institut Akademii nauk UkrSSR)

TITLE: Thermal expansion of tungsten and tantalum in the 1500-3000°
 temperature region

SOURCE: Teplofizika vysokikh temperatur, v.3, no.6, 1965, 936-937

TOPIC TAGS: tungsten, tantalum, thermal expansion, high temperature
 metal

ABSTRACT: Up to the present time, the thermal expansion of tungsten
 has been studied only up to a temperature of 2000° and that of tantalum
 up to 2700°. The present study extends the limit up to 3000° (in vac-
 uum) for technical grade tungsten and tantalum. The experiments were
 carried out in a high-temperature vacuum dilatometer and the samples
 were heated by an electric current. The samples were in the form of
 rods 2 mm in diameter and 200-240 mm long. The experimental results
 are shown graphically. It was found that the relative thermal expansion
 as a function of temperature, within the limits investigated, can be
 expressed by the following empirical formulas:

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UDO: 546.883+546.78:536.413

ACC NR: AP6001920

for tungsten: $L/L_0 = -6.6 \times 10^{-5} + 3.7 \times 10^{-6} T + 8.7 \times 10^{-10} T^2$

for tantalum: $L/L_0 = -1 \times 10^{-4} + 6.5 \times 10^{-6} T + 7.45 \times 10^{-10} T^2$

where L_0 is the length of the sample at 20°; T is the temperature of the sample. The values of the true coefficients of linear expansion in the temperature interval investigated can be expressed by the following relationships:

for tungsten: $\alpha = (3.7 + 1.74 \times 10^{-3} T) \times 10^{-6}/\text{degree}$

for tantalum: $\alpha = (6.5 + 1.49 \times 10^{-3} T) \times 10^{-6}/\text{degree}.$

Orig. art. has: 1 figure.

SUB CODE: 20,11/ SUBM DATE: 06Feb65/ ORIG REF: 003/ OTH REF: 002

60
Card 2/2

BRUSOVA, L.V.; V'YUGOVA, L.A.; GORKIN, V.Z.

Method of determining the monoamine oxidase activity in the brain.
Ukr. biokhim. zhur. 37 no.3:463-471 '65. (MIRA 18:7)

1. Institut biologicheskoy i meditsinskoy khimii AMN SSSR, Moskva.
2. Sotrudnik Instituta psikhiiatrii AMN SSSR, Moskva (for V'yugova).

V'YUKHINA, A.S.; DMITRIYEVA, L.P.

Efficiency of the complete processing of red muds in rotary
kilns. TSvet.met. 38 no.10:49-52 0 '65.

(MIRA 18:12)

V'YUKOV, Ivan Yelizarovich; SHUSTOV, A.D., red.

[Automatic control systems of the electric drives of
papermaking machines] Sistemy avtomaticheskogo reguliro-
vaniia elektroprivodov bumagodelatel'nykh mashin. Mo-
skva, Lesnaia promyshlennost', 1965. 214 p.
(MIRA 18:9)

V'YUKOVA, R.N., kand. med. nauk; CHEREMNYKH, L.P.

Results of lung resections in patients with fibrous-cavernous tuberculosis in relation to the genesis of the cavern. Probl. tub. 42 no.10:25-29 '64. (MIRA 18:11)

1. Protivotuberkuleznyy dispanser (glavnyy vrach F.G. Grigorenko) Kirovskogo rayona Novosibirska i Novosibirskiy nauchno-issledovatel'skiy institut tuberkuleza (direktor - kand. med. nauk M.V. Svirezhev).

4C

L 35073-65 EPF(c)/EPR/EMP(j)/ZWT(m)/T Pc-l/Pr-l/Ps-l RPL RM/WM

ACCESSION NR: AR5006368

5/0081/64/000/024/S031/S032

SOURCE: Ref. zh. Khimiya, Abs. 24S182

AUTHOR: Mikhant'yev, B. I.; Sklyarov, V. A.; Fedorov, Ye. I.; Avtonomova, M. D.;
Shmygaleva, T. A.; V'yukova, V. P.; Shatsman, F. D.; Shevtsova, A. G.; Afanasov,
F. P.

TITLE: Polymerization and copolymerization of simple vinyl ethers

CITED SOURCE: Tr. Labor. khimii vysokomolekul. soedineniy. Voronezhsk. un-t,
vyp. 2, 1963, 3-11

TOPIC TAGS: polymerization, copolymerization, vinyl ether, polymer, copolymer

TRANSLATION: The possibility of producing high-molecular polymers and copolymers of vinylbutyl ester was investigated. In the presence of ferric chloride at 50-70 mm pressure and 80-90°C vinylbutyl ester is polymerized to form a product with a molecular weight of 14,000. A polymer with a molecular weight of 6,400 is obtained at normal pressure and -3°C in the presence of BF₃. Vinylbutyl ester is copolymerized with divinyl in the presence of BF₃ or ferric chloride; BF₃ appears to be the better catalyst, in whose presence a polymer with the molecular weight of

Card 1/3

L 35073-65

ACCESSION NR: AR5006368

10,400 is produced at -5°C. Chains of vinylbutyl ester predominate in the structure of the copolymer, and transverse bonds are present on account of the divinyl chains. The copolymerization of vinylbutyl ester with divinyl does not occur under the effect of phosphorus anhydride and ferric chloride. The polyvinylethyl ester is copolymerized with styrene (1:1) in the presence of ferric chloride and in the ratio of 1:2 in the presence of the dinitrile of azoisobutyric acid. The copolymers produced have a molecular weight of 58,000-76,000 and form films resistant to water and dilute solutions of acids and bases. Vinylbutyl ester is copolymerized with styrene in a 1:1 ratio (FeCl₃ as catalyst) and 1:8 ratio (BF₃ as catalyst); products with molecular weight of 21,000-50,000 are formed. The vinylphenyl ether is also copolymerized with styrene in ratios of 1:1 and 2:1 in the presence of the esterate of BF₃ (as catalyst), and is also copolymerized with heating in ratios of 1:1, 1:2, and 2:1 at 100-105°C. Solid copolymers are obtained with molecular weights of 48,500-92,000. Copolymers of N-vinylacridone and styrene are produced in mass and in emulsion; N-vinylacridone, styrene, and divinyl are produced in emulsion and also N-vinylacridone, styrene, divinyl and acrylonitrile. The products have molecular weights of 200,000-650,000. Of the rubber-like materials most plastic was the latter copolymer, containing N-vinylacridone, styrene, divinyl, and acrylonitrile in the ratio 1:16:29:22. N-vinylacridone reduces the solubility and increases the hardness of the copolymers. S. Bass

Card 2/3

L 08107-67 EWP(1)/EWT(1)/EWT(m)/FSS-2 RM/WE

ACC NR: AP6029755

(A)

SOURCE CODE: UR/0414/66/000/002/0052/0060

AUTHOR: Babkin, V. S. (Novosibirsk); V'yun, A. V. (Novosibirsk); Kozachenko, L. S. (Novosibirsk) 65

ORG: none

TITLE: Study of the effect of pressure on the normal burning velocity by the method of the initial section in a constant pressure bomb

SOURCE: Fizika gorenija i vzryva, no. 2, 1966, 52-60

TOPIC TAGS: combustion, flame, burning velocity, hydrocarbon fuel, *PRESSURE EFFECT*

ABSTRACT: Experiments in a constant volume bomb were made of the effect of pressure on the normal burning velocity of stoichiometric mixtures of benzene, n-heptane, and isooctane with air at 1-16 atm and an initial temperature of 150C. It was found that a linear relationship exists between the expansion coefficient of the combustion products and the terminal explosion pressure. This relationship can be expressed by the approximate formula

$$E_i = 0,85 \frac{p_e}{p_i}$$

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UDC: 536.46

L 08107-67

ACC NR: AP0629755

(p_i = initial pressure, p_e = terminal pressure). This formula permits the calculation of the normal burning velocity from the experimentally determined apparent flame speed and the terminal pressure. In all fuels tested, the normal burning velocity decreased with increasing pressure. The exponents in the relationship $S = p^n$ (S = normal burning velocity, p = pressure) ranged from -0.17 to -0.35 and for different fuels and pressure ranges. Orig. art. has: 11 formulas, 3 figures, and 1 table. [pv]

SUB CODE: 21/ SUBM DATE: 08Aug65/ ORIG REF: 008/ OTH REF: 008

Card 2/2 ml

ACC NR: AP6033308

SOURCE CODE: UR/0375/66/000/010/0022/0025

AUTHOR: Tuz, D. A. (Rear admiral; Reserve); V'yunenko, N. P. (Candidate of military sciences; Captain of first rank)

ORG: none

TITLE: Surface vessels become true above-water vessels

SOURCE: Morskoy sbornik, no. 10, 1966, 22-25

TOPIC TAGS: combatant ship, mine warfare ship, hydrofoil, antisubmarine warfare, air cushion vehicle

ABSTRACT: Modern developments in general warfare have changed the character of naval surface ships, the tactical properties of which have had to be suited to new types of missions. These include antisubmarine warfare, supporting landing operations, mine-sweeping, naval coastal communications, supplying ships at sea, and other purposes. Vessels with newly developed propulsion systems, such as hydrofoils and air cushion vehicles, have been placed into naval service. Hydrofoils in the near future will probably be used only for smaller antisubmarine defense units and as short-distance missile carriers. The military applications of air cushion vehicles includes their use for antisubmarine and landing operations and as missile and torpedo carriers. They will also be employed for naval supply, transportation, and rescue purposes. Nuclear-powered air cushion vehicles are now under design. According to calculations,

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ACC NR: AP6033308

for a distance of up to 50 miles a single air-cushion vehicle can transport more cargo than 5 conventional landing craft of equal load capacity. Besides their universal military use, the main value of air cushion vehicles lies in their ability to operate in shoal water.

SUB CODE: 13, 15/ SUBM DATE: none

Card 2/2

RUBINSHTEYN, B.Sh.; V'YUNIK, V.M.; DEGENAU, V.F.

Investigating the wearing-out of starter contacts. Nauch. trudy
KNIUI no.15:10-23 '64.

Investigating the operating conditions of electric equipment
in mines. Ibid.:41-51 (MIRA 13:8)

V'YUNIK, V.S.

Experience with ultrasonics in wine making. Uch.zap.Kish.un.
68:91-93 '63-[cover '64] (MIRA 18:12)

TOPIC TAGS: gun sight, aircraft gun sight, aircraft armament, target angle

ABSTRACT: A simple commutator panel is discussed which makes it possible to check the ASI-5-type gun sight without removing it from the aircraft. The panel is a commutator device with two control milliammeter⁰ of the PM-70 type and two lead-outs: one for more precise milliammeters, and the other for attaching an electric second-counter. The panel includes a potentiometer, which receives a 22-v current from the sight, a relay, a button switch, and several other switches. The panel is connected to the checkout plug connector of the control box. A test problem is described in detail which takes all the flight parameters into account, such as range, altitude, speed, etc. These parameters

1. 4177-65

virtue of this method is that the operating efficiency and precision of the sight as a whole can be determined on the basis of the indirect time parameter with stimulation of the car by the injection of currents into the sight's correction coils.

SUBMITTED: 00

ENCL: 00

SUB CODE: WA, AC

NO REF SOV: 000

OTHER: 000

Card 2/2

V'YUNOV, S.F.

Development of apple flowers. Biul. Glav. bot. sada
no.55:130-132 '64. (MIRA 18:11)

1. Volgogradskiy sel'skokhozyaystvennyy institut.

KONYAYEV, B.V.; RUDNEVA, P.A.; V'YUSHINA, O.P.; MERLYUDOVA, V.I.;
SYCHEVA, I.K. (Moskva)

Some indices of the blood coagulation and anticoagulation
system in myocardial infarct and coronary insufficiency.
Kardiologiya no.1:16-22 '64. (MIRA 17:10)

BOBRUDHKIN, L.G., inzh.; V'YUSHINSKIY, N.S., inzh.; COLOVANOV, G.A., inzh.

Dewatering the concentrate at the Olenogorsk Plant. Gor. zhur.
no.5:62-66 My '58. (MIRA 11:6)

1.Olenegorskoye rudoupravleniye.
(Olenogorsk--Ore dressing)

V'YUSHINSKIY, N.S.

127-58-5-19/30

AUTHORS: Bobrushkin, L.G.; V'yushinskiy, N.S., and Golovanov, G.A.,
Engineers

TITLE: Dehydration of Concentrate in the Olenegorsk Plant (Obezvozhivaniye kontsentrata na Olenegorskoy fabrike)

PERIODICAL: Gornyy Zhurnal, 1958, Nr 5, pp 62-66 (USSR)

ABSTRACT: The Institute "Mekhanobr", in designing the technological sequence of concentration processes at the Olenegorsk Plant, specified that the concentration of the product of the first-stage crushing, from 2 mm downwards, be followed by a filtration of the concentrate in drum vacuum-filters. At the start of plant operations, it turned out that the filters installed were not suited for the filtration of the concentrate. Some additional measures were then proposed by the Mekhanobr Institute, including dehydration by means of classifiers of various types. All these measures were ineffective, until natural dehydration in store-rooms was applied. There are two 1,500 cu m settlers in the store-room and the water runs into a drainage network. This resulted in a sharp increase of the output of the drying drums and a reduction of iron losses. The following

Card 1/2

Dehydration of Concentrate in the Olenegorsk Plant

127-58-5-19/30

conclusions are drawn from this experience: 1) dehydration store-rooms can be recommended when the structure and character of the concentrate permit it to drain naturally; 2) a dehydration store-room should be combined with the concentration building; hydraulic transport is preferred over conveyor transport; 3) the dehydration store-room can be used at the same time as a place for storing the concentrate.

There are 4 diagrams, 3 figures and 3 tables.

ASSOCIATION: Olenegorskoye rudoupravleniye (Olenegorsk Mine Administration)

AVAILABLE: Library of Congress

Card 2/2 1. Ores-Processing 2. Mines 3. Ores-Dehydration

1. V'YUSHKOV, B. P.
2. USSR 600
4. Tatar Republic - Paleontology; Paleontology -
Northern Dvina Valley
7. Relative age of the Isheyevo and Northern Dvina
fauna of land vertebrates of the Permian period
of the U.S.S.R. Dokl. AN SSSR 83, No. 6, 1952
Paleontologicheskii Institut Akademii Nauk
SSSR recd. 7 Jan. 1952
9. Monthly List of Russian Accessions. Library of
Congress, September 1952. UNCLASSIFIED.

V'YUSHKOV, B.P.

Occurrence of Pareiasauria in the Vyatka Valley below Kotel'nich. Biul.MOIP.
Otd.geol. 28 no.2:49-56 '53. (MLRA 6:11)
(Vyatka Valley--Reptiles, Fossil) (Reptiles, Fossil--Vyatka Valley)

V'YUSHKOV, B.P.

Finds of land vertebrates in the Krasnoyarsk strata of the Kuznetsk Basin. Dokl. AN SSSR 91 no.4:939-941 Ag '53. (MLRA 6:8)

1. Akademiya nauk SSSR (for Pavlovskiy). 2. Paleontologicheskii institut Akademii nauk SSSR (for V'yushkov).
(Kuznetsk basin--Paleontology) (Paleontology--Kuznetsk basin)

VYUSHKOV, B. P.

USSR/ Geology - Paleontology

Card 1/1 : Pub. 124 - 27/35

Authors : Vyushkov, B. P., Cand. of Biol. Sc.

Title : Problems in the development of the sciences of paleontology in the USSR

Periodical : Vest. AN SSSR 7, 97-100 , July 1954

Abstract : Minutes of the All-Union Paleontological Conference at which numerous problems on the development of the science of paleontology in the USSR were taken up.

Institution :

Submitted :

V'YUSHKOV, B.P.

Problems in the development of paleontology in the U.S.S.R.; all-
Union paleontological conference. Vest. AN SSSR 24 no.27:97-100
Jl '54. (MLRA 7:8)
(Paleontology--Congresses)

V'YUSHKOV, B.P., kandidat biologicheskikh nauk.

Belonochasma - an enigmatic animal from the lithographic shales
of Bavaria. Priroda 43 no.8:114-115 Ag '54. (MLRA 7:8)

1. Paleontologicheskii institut Akademii nauk SSSR.
(Bavaria--Extinct animals) (Extinct animals--Bavaria)

V'YUSHKOV, B.P.

YEFREMOV, I.A.; V'YUSHKOV, B.P.; RUZHENTSEV, V.Ye., redaktor; KULIKOV, M.V.,
redaktor; ARONS, A.A.; Tekhnicheskii redaktor

[Catalog of Permian and Triassic terrestrial vertebrate deposits
in the U.S.S.R.] Katalog mestonakhozhdenii permskikh i triaso-
vykh nazemnykh pozvonochnykh na territorii SSSR. Moskva, Izd-vo
Akademii nauk SSSR, 1955. 185 p. (Akademiia nauk SSSR. Paleonto-
logicheskii institut. Trudy, no.46) (MLRA 8:9)
(Vertebrates, Fossil)

V'YUSHKOV, B. P.

"New Discoveries of Triassic Vertebrates in the USSR"

A paper presented on 1 April 1955, The Activity of the Moscow Society of Naturalists, Byulleten' Moskovskogo Obshchestva Ispytateley Prirody Vol LX.

No 6, Moscow, Nov-Dec 1955, pp 80-90, Geology Section
Source: U-9235, 29 Nov 1956

V'YUSHKOV, B.P.

New discoveries of Triassic vertebrates in the U.S.S.R. Biml.MOIP.
Otd.geol.30 no.6:97 H-D '55. (MLRA 9:4)
(Paleontology)

V'YUSHKOV, B.P., kandidat biologicheskikh nauk

Model of a Tertiary rhinoceros in basalts of the Columbia Plateau. Priroda 44 no.7:111-112 71 '55. (MLRA 8:9)

1. Paleontologicheskii institut Akademii nauk SSSR
(Columbia Plateau--Rhinoceros, Fossil)

V' YUSHKOV, B.P.

Upper Permian land vertebrates from the Malaya Kinel' River. Trudy
Paleont. inst. no. 49:176-189 '55. (MLRA 8:11)
(Malaya Kinel' Valley--Paleontology)

DMITRIYEV, Georgiy Andreyevich; V'YUSHKOV, Boris Pavlovich; OBRUCHEV, D.V.,
otvetstvennyy redaktor; KORDE, K.B., redaktor izdatel'stva;
ZEMLYAKOVA, T.A., tekhnicheskiy redaktor

[Instructions for searching for remains of vertebrates in coal mines;
a manual for mine geologists] Nastavlenie dlia poiskov ostatkov
pozvonochnykh v ugol'nykh shakhtakh; rukovodstvo dlia shakhtnykh
geologov. Moskva, Izd-vo Akademii nauk SSSR, 1956. 15 p. (Nastavle-
niia po sboru i izucheniiu iskopaemykh organicheskikh ostatkov, 7)
(Vertebrates, Fossil) (MIRA 10:3)

CHUDINOV, P.K.; Y'YUSHKOV, B.P.

New data on small cotylosaurs from the Permian and Triassic of
the U.S.S.R. Dokl.AN SSSR 108 no.3:547-550 My '56. (MLRA 9:8)

1. Predstavleno akademikom I.I. Shmal'gauzenom.
(Reptiles, Fossil)

Y'YUSHKOV, B.P., kandidat biologicheskikh nauk.

Tupilakosaurus heilmanni, a new paleontological enigma. Priroda 46
no.9:112-113 S '57. (MLRA 10:8)

1. Paleontologicheskii institut Akademii nauk SSSR, Moskva.
(Greenland--Reptiles, Fossil)

V'YUSHKOV, B.P.; CHUDINOV, P.K.

Discovery of Captorhinidae in the upper Permian of the U.S.S.R.
Dokl. AN SSSR 112 no.3:523-526 Ja '57. (MLRA 10:4)

1. Paleontologicheskii institut Akademii nauk SSSR. Predstavleno
akademikom Ye.N. Pavlovskim.
(Vyatka Valley--Reptiles, Fossil)

AUTHOR	<u>V'YUSHKOV B.P.</u>	PA - 2933
TITLE	New animals from Deposits of the Tatarian Stage of the European Part of the USSR. (Novyye neobyknovennyye zhivotnyye iz otlozheniy tatarskogo yarusa yevropeyskoy chasti SSSR.- Russian)	
PERIODICAL	Doklady Akademii Nauk SSSR 1957, Vol 113, Nr 1, pp 183 - 186. Received: 6/1957 Reviewed: 7/1957	
ABSTRACT	The author established the new familiy of the Chroniosuchinae for the remains of an animal which were discovered in the Ural- and Volga-area as well as in the northern parts of Russia in 1948 and 1949. He assumes that there are 3-4 types which have hitherto never been found. In addition, he introduces the new species of the Chroniosuchus with the two classes: Ch. paradoxus and mirabilis. The species and the first class were incorporated within the lists of the upper-perm vertebrates by I.A. Yefremov and also entered foreign terminology. They are already being used for stratigraphic purposes in the USSR. Place of discovery: upper Tatarian stage of the perm - P ^{stat} ₂ .	

CARD 1/3

PA - 2933

New animals from Deposits of the Tatarian Stage of the European Part of the USSR.

As characteristics of amphibia and reptils are combined in the skeleton, the family was listed with the subclass Batrachosauria .
The anatomical structure of this animal is of utmost primitivity, which reminds of carbirian embolomeres. Among the characteristic features are movable joints, deep auditory opening, non-steady connection of the postlateral part of the vault of cranium with the dorso-parietal part of the os ilei. Specialized structures are: the structure of back bone and the presence of an enormous preoccipital fontanel.

The mobility of the skull is not a rare thing with various groups of tetrapodes, as e.g. in the case of the oldest stegocephali. It is widespread among lacpidosaurians, is observed with rapacious dinosaurians and birds, and was found with theropoda. (Euchamberia, Scaloposauria)
Tailless amphibiae have the kind of movability of the skull which is most similar to that of the chroniosuchus.
On the whole, very little has been learnt about this strange animal. It had to be classed the paleontological mysteries

CARD 2/3

PA - 2933

New animals from Deposits of the Tatarian Stage of the European Part of the USSR.

together with the lately discovered Tupilakosaurus heilman Niel and Bystrowiana permira Vjusch.

(With 4 illustrations and 8 citations from publications)

ASSOCIATION: Paleontological Institute of the Academy of Science of the USSR.

PRESENTED BY: I.I. SHMALGAUZEN, member of the Academy.

SUBMITTED: 27.11. 1956.

AVAILABLE: Library of Congress.

CARD 3/3

(Engineer)

TITLE: Thermovibroacoustic hardening of hydraulic pump vane.

SOURCE: Mashinostroyeniye, no. 1, 1965, 74-75

TOPIC TAGS: thermomechanical treatment, vibration hardening, hydraulic pump, pump vane/ R18 steel, Kh12 steel, Kh12F steel, 4000M automatic loader

ABSTRACT: The effects of thermovibroacoustic hardening of the hydraulic pump vane (initially made of R18, Kh12 or Kh12F steel) of the automatic loader 4000M on

L 30062-65

APR 27 1968

NO REF EOV: 000

OTHER : 000

57-208

Card 2/2

V'YUSHKOV, B. P.

V'yushkov, B. P. - "Some remarks on the Triassic deposits of the Southern Ural region", Byulleten' Mosk. o-va ispytatel'noy prirody, Otd. geol., 1949, Issue 2, p. 20-25.

SO: U-4631, 16 Sept. 53, (Letopis 'nykh Statey, No. 24, 1949).

V'YUSHKOV, B. P.

USSR/ Geology - Paleontology

Card 1/1 Pub. 86 - 24/38

Authors : V'yushkov, B. P., Cand. Biol. Sc.

Title : Mold of a Tertiary rhinoceros in the basalt of the Columbian Plateau

Periodical : Priroda 44/7, 111 - 112, Jul 1955

Abstract : An account is given of the finding of remains of rhinoceroses in the central part of the State of Washington in the U. S. A., including the mold of the body of a complete animal. A brief analysis is made of scientific conclusions to be drawn from material found. One USA reference (1951).
Illustrations.

Institution :

Submitted :

V'YUSHOV, B.P.

V'YUSHOV, B.P.

Therocephalia of the Soviet Union. Trudy Paleont. inst. no. 49:128-
175 '55. (MLRA 8:11)

(Reptiles, Fossil)

V'Y¹SHKOV, B.P., kandidat biologicheskikh nauk.

~~ANDREY V'YSHKOV~~

Oldest venomous reptile. Priroda 42 no.11:108-109 N '53.

(MLRA 6:11)

1. Paleontologicheskii institut Akademii nauk SSSR.

(Reptiles)

V'YUSHKOV, B.P.: YEMBL'YANOVA, A.I.

First find of fossil reptiles in the Tunguska Basin. Izv. AN SSSR. Ser.
geol. 24 no.1:111-113 Ja '59. (MIRA 12:3)

1. Paleontologicheskii institut AN SSSR, Moskva.
(Tunguska Basin--Reptiles, Fossil)

V'YUSHKOV, B.P. [deceased].

Ecology of Anomodontia. Biol.MOIP.Otd.geol. 33 no.3:154-155
My-Je '58. (MIRA 11:11)
(Reptiles, Fossil)

V'YUSHKOV, B.P., kand. biol. nauk.

Discovery of North American elements in upper Permian vertebrates
in the U.S.S.R. Priroda 47 no.11:107 N '58. (MIRA 11:12)

1. Paleontologicheskiy institut AN SSSR (Moskva).
(Vertebrates, Fossil)

AUTHORS: V'yushkov, R.P. and Yemel'yanova, A.I. SOV/11-59-1-11/16

TITLE: The First Find of Fossilized Reptiles in the Tunguska Basin
(Pervaya nakhodka iskopayemykh reptiliy v Tungusskom bas-
seyne)

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya geologicheskaya, 1959,
Nr 1, pp 111-113 (USSR)

ABSTRACT: The fossilized bones of a large reptile, identified as be-
longing to the class of Dicynodontia, were found between
the Permian and Triassic layers in the lower part of the
Korvunchany river of the Tunguska basin.

ASSOCIATION: Paleontologicheskii Institut AN SSSR, Moscow (The Moscow
Paleontologic Institute of the AS USSR)

SUBMITTED: May 3, 1958

Card 1/1

AUTHOR: V'yushkov, B.P. (deceased) SOV-5-58-3-26/39

TITLE: On the Ecology of Anomodonts (Ob ekologii anomodontov)

PERIODICAL: Byulleten' Moskovskogo obshchestva ispytateley prirody, Otdel geologicheskiiy, 1958, Nr 3, pp 154 - 155 (USSR)

ABSTRACT: This is a resume of a lecture given on Dec 3, 1957. The author describes various species of anomodontes and their former occurrence in different parts of the world.

1. Anomodonts--Ecology

Card 1/1

SOV-26-58-11-28/49

AUTHOR: V'yushkov, B.P., Candidate of Biological Sciences

TITLE: The Discovery of North American Elements in the Upper Permian Vertebrate Fauna of the USSR (Otkrytiye severoamerikanskikh elementov v faunakh verkhnepermskikh pozvonochnykh SSSR)

PERIODICAL: Priroda, 1958, Nr 11, p 107 (USSR)

ABSTRACT: While the American palaeontologist E.C. Olson claimed that the absence of certain cotylosauria and pelicosauria in the Old World proved the existence of different ways of evolution of vertebrates in the Western and Eastern hemispheres, Soviet geologist M.A. Plotnikov discovered fossil remains of the caseid pelicosauria in Upper Permian layers of the nizheust'mnskaya formation in the Karpogorskiy rayon of Arkhangelskaya Oblast' on the Pinega River. The paleontological Institute of the AS USSR continued the search there in 1956 for fossil remains. This search is still going on. The author concludes that these discoveries show that a seeming ab-

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SOV-26-58-11-28/49

The Discovery of North American Elements in the Upper Permian Vertebrate Fauna of the USSR

sence of one type or other among the available fossils does not necessarily mean the type had never existed. There are 2 references, 1 of which is American and 1 Soviet.

ASSOCIATION: Paleontologicheskii institut AN SSSR /Moskva (The Paleontological Institute of the AS USSR /Moscow)

1. Paleoecology--USSR

Card 2/2

V'YUSHKOV, B.P.

Triassic sediments in the southern Ural Mountain region. *Izvestiya Akademii Nauk SSSR, Seriya Geologicheskaya*.
Otd. geol. 24 no.2:63-88 '49. (MIRA 11:5)
(Ural Mountain region--Geology, Stratigraphic)

15-57-5-5784

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 5,
p 10 (USSR)

AUTHOR: V'yushkov, B. P.

TITLE: The Stratigraphy of the Triassic Rocks of the Russian Platform and the Ural Region, and Problems in Making It More Precise (O stratigrafii triasovykh otlozheniy Russkoy platformy i Priural'ya i voprosakh yeye detalizatsii)

PERIODICAL: V sb: Tr. Vses. soveshchaniya po razrabotke unifitsir. skhemy stratigr. mezozoyskikh otlozheniy Russ. platformy. Leningrad, 1956, pp 169-174.

ABSTRACT: The author briefly considers some basic questions associated with the study of Triassic rocks: 1) the history of the study of the Russian Triassic, divided into three stages; 2) the distribution of Triassic rocks in the European part of the USSR; and 3) the stratigraphy of the Triassic. The lower part of the Lower Triassic (Buzuluk series) is recognized over a

Card 1/2

15-57-5-5784

The Stratigraphy of the Triassic Rocks (Cont.)

large area. Higher (the Tananyk and Bogdo series) horizons are known in the region south of the latitude of Kuybyshev. Upper Triassic, and possibly Middle Triassic, rocks have been identified at present only in the southern Ural region, the Caspian area, and the Donets Basin. The author emphasizes the primary importance of vertebrates in Triassic stratigraphy. He criticizes the decisions in the unified scheme of the Triassic for the European part of the USSR. He also points out the necessity of getting more precise information on pre-Triassic faulting, on the age of the Tananyk and Romashkino series, and on the study of plants from the Triassic series in the southern Ural region and the Donets Basin.

Card 2/2

V. A. K.

V'YUSHKOV, B.P.

New Kotlassiomorpha from Tartarian (upper Permian) deposits of the
European part of the U.S.S.R. Trudy Paleont. inst. 68:89-107 '57.
(Reptiles, Fossil) (MIRA 11:4)

V'YUSHKOV, B. P.

N/5
622.4
.D6

Nastavleniye dlya poiskov ostatkov pozvonochnykh v ugol'nykh shakhtakh (Instructions for searching remains of vertebrates in coal mine shafts, by) G. A. Dmitriyev i B. P. V'yushkov. Moskva, Izd-vo Akademii Nauk SSR, 1956.

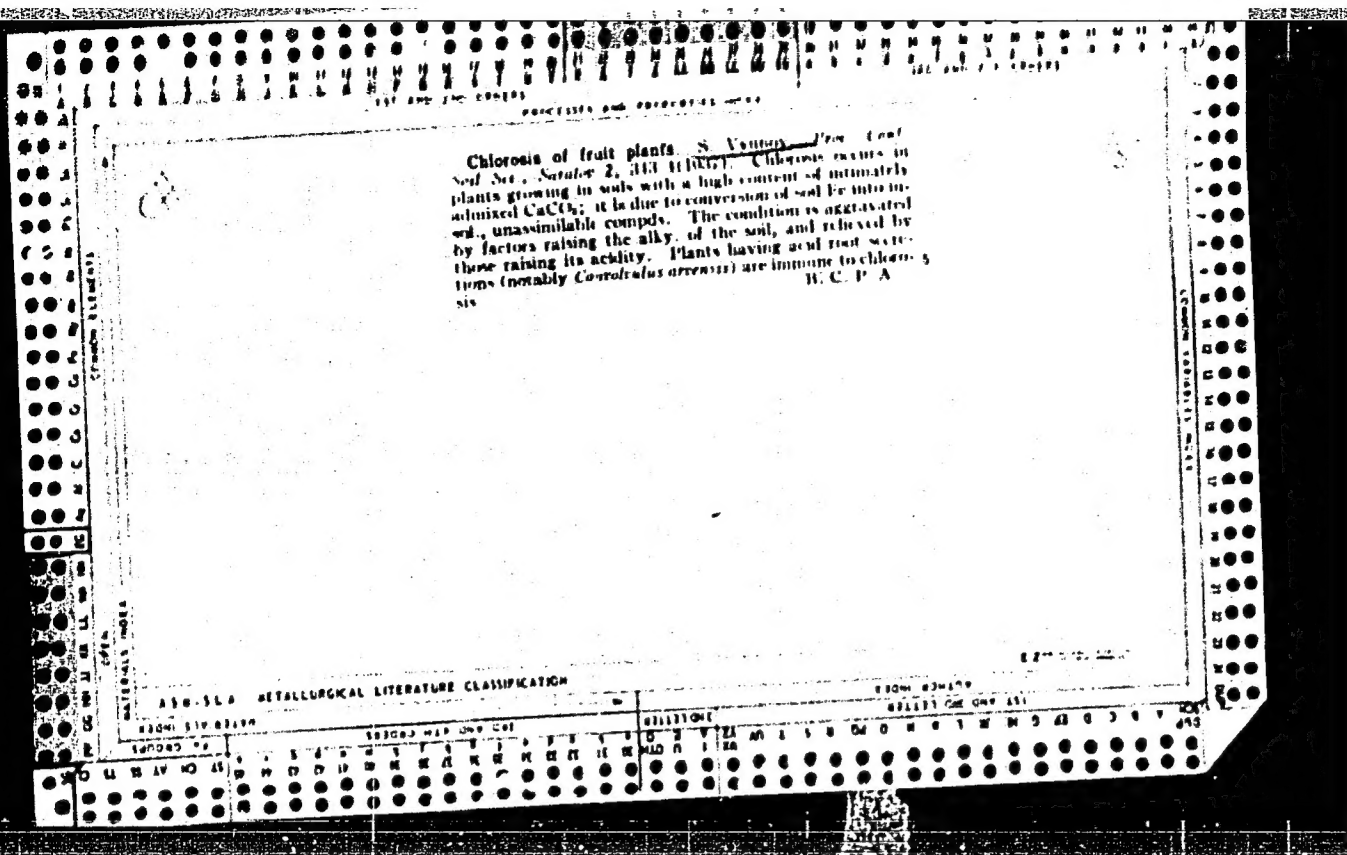
15, (1) p. illus., diagrs. (Nastavleniya Po Sboru i Izucheniyu Iskopayemykh Organicheskikh Ostatkov. Vyp 7)

At head of title: Akademiya Nauk SSSR. Paleontologicheskii Institut.

Literatura: p. (16)

V'YUSHKOV, B.P. [deceased]

Find of Triassic Theriodontia in the U.S.S.R. Paleont. zhur.
no.2:158-160 '64. (MIRA 17:7)



V'YUSHKOV, P.V.; SKLYAROV, Yu.A.

Bolometric pyrkalimeter as a standardization instrument
for absolute measurements of direct solar radiation.
Astron. zhur. 41 no.3:555-558 My-Je '64. (MIRA 17:6)

V'YUSHKOV, P.V.

Y'YUSHKOV, P.V.; SKLYAROV, Yu.A.

Observations of Pons-Brooks comet (1953c) at the Astronomical
Observatory of the Chernyshevskii State University in Saratov.
Astron.tsir. no.150:1-2 Je '54. (MLRA 8:3)

1. Kafedra astronomii Saratovskogo Gosuniversiteta imeni N.G.
Chernyshevskogo.
(Comets—1953)